

INFORMATION DISCLOSURE CITATION

PTO-1449

 ATTY. DOCKET NO.
A-66566-3/RFT/RMS/
RMK

 SERIAL NO.
09/440,371

 APPLICANT
BLACKBURN et al.

 FILING DATE
November 12, 1999

 GROUP
1643

PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
Ch	A	4,707,352	11/17/87	Stavrianopoulos	—	—	
Ch	B	4,707,440	11/1987	Stavrianopoulos	435	6	
Ch	C	4,711,955	12/8/87	Ward, et al.			
Ch	D	4,755,458	7/5/88	Rabbani, et al.			
Ch	E	4,849,513	7/18/89	Smith, et al.	536	27	
Ch	F	4,868,103	9/19/89	Stavrianopoulos, et al.			
Ch	G	4,894,325	1/16/90	Englehardt, et al.			
Ch	H	4,943,523	7/24/90	Stavrianopoulos			
Ch	I	4,952,685	8/28/90	Stavrianopoulos			
Ch	J	4,994,373	2/19/91	Stavrianopoulos			
Ch	K	5,002,885	3/26/91	Stavrianopoulos			
Ch	L	5,013,831	5/7/91	Stavrianopoulos			

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EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
Ch	M	0 063 879	11/3/82	Europe				
Ch	N	92/10757	6/25/92	WO				
Ch	O	95/15971	6/15/95	WO				
Ch	P	0 234 938	2/26/87	EP (A2)				
Ch	Q	93/10267	5/27/93	WO				
Ch	R	2,090,904	9/24/93	Canada				
Ch	S	0 599 337	1/16/94	EP (A2)				

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Ch. Nagengaler

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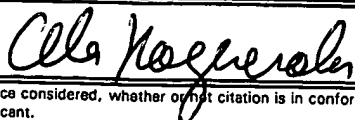
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EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
CH	T	5,082,830	1/21/92	Brakel, et al.			
CH	U	5,175,269	12/29/92	Stavrianopoulos			
CH	V	5,241,060	8/31/93	Englehardt, et al.			
CH	W	5,278,043	1/11/95	Bannwarth, et al.	536	23.1	
CH	X	5,312,527	5/17/94	Mikkelsen, et al.	204	153.12	
CH	Y	5,328,824	7/12/94	Ward, et al.			
CH	Z	5,449,767	9/12/95	Ward, et al.			
CH	AA	5,472,881	12/5/95	Beebe, et al.	436	94	
CH	BB	5,476,928	12/19/95	Ward, et al.			
CH	CC	5,595,908	1/21/97	Fawcett, et al.	534	11	
CH	DD	5,565,552	10/15/96	Magda, et al.	534	11	
CH	EE	5,573,906	11/12/96	Bannwarth, et al.	435	6	
CH	FF	5,591,578	1/7/97	Meade, et al.	435	6	
CH	GG	5,601,982	2/1997	Sargent, et al.	435	6	

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EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
	HH	238,166	1988	JP (Abstract 63-238166)				
CH	II	0 229 943	7/29/87	EP (B1)				
CH	JJ	96/40712	12/19/96	WO				
CH	KK	0515615	9/4/96	EP UK				
CH	LL	97/01646	1/16/97	WO				
CH	MM	93/23425	11/25/93	WO				

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CH	NN	4,840,893	6/20/89	Hill et al.	435	6	
CH	OO	5,403,451	4/4/95	Riviello et al.	204	153.1	
CH	PP	5,620,850	4/15/97	Bamdad et al.	530	300	
CH	QQ	5,780,234	7/14/98	Meade et al.	435	6	
CH	RR	5,770,369	6/23/98	Meade et al.	435	6	
CH	SS	5,705,348	1/6/98	Meade et al.	435	6	
CH	TT	5,705,346	1/6/98	Okamoto et al.	435	6	
CH	UU	5,571,568	11/5/96	Ribi et al.	427	487	
CH	VV	5,156,810	6/15/89	Ribi	422	82.01	
CH	WW	5,491,097	2/13/96	Ribi et al.	436	518	
CH	XX	5,776,672	7/7/98	Hashimoto et al.	435	6	
CH	YY	5,605,662	2/1997	Heller et al.	422	68.1	
CH	ZZ	5,632,957	6/1997	Heller et al.	422	68.1	

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EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
CH	AAA	90/05732	5/31/90	WO				
CH	BBB	94/22889	10/13/94	WO				
CH	CCC	97/01646	01/16/97	WO				
CH	DDD	98/35232	8/13/98	WO				
CH	EEE	98/04740	2/5/98	WO				

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Alb. Nazarela

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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE			
CN	FFF	4,787,963	MacConnell						
CN	GGG	5,015,569	Pontius						
CN	HHH	5,582,984	Bieniarz et al.						
CN	III	5,843,767	Beattie						
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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes No			
CN	JJJ	98/20162	PCT						
CN	KKK	96/40712	PCT						
CN	LLL	99/14596	PCT						
CN	MMM	0 229 442	EPO						
CN	NNN	95/11755	PCT						
X									
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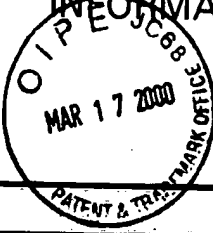

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an	2	Allerman, K.S., et al., "Electrochemical Rectification at a Monolayer-Modified Electrode," <i>J. Phys. Chem.</i> , 100:(42) 17050-17058 (1996).	
	3	Aizawa, M., et al., "Integrated Molecular Systems for Biosensors," <i>Sensors and Actuators B</i> , B24 (Nos 1/3) part 1:1-5 (March 1995).	
an	4	Arkin, M., et al., "Evidence for Photoelectron Transfer Through DNA Intercalation," <i>J. Inorganic Biochem. Abstracts</i> , 6th International Conference on Bioinorganic Chemistry, 51(1) & (2):526 (1993).	
an	5	Barisci, et al., "Conducting Polymer Sensors," <i>TRIP</i> , 4(9):307-311 (1996).	
an	6	Baum, R. M., "Views on Biological, Long-Range Electron Transfer Stir Debate," <i>C&EN</i> , pp 20-23 (1993).	
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an	9	Biotechnology and Genetics: Genetic Screening Integrated Circuit," <i>The Economist</i> (February 25-March 3, 1995).	
an	10	Boguslavsky, L. et al., "Applications of redox polymers in biosensors," <i>Solid State Ionics</i> , 60:189-197 (1993).	
an	11	Bowler, B. E., et al., "Long-Range Electron Transfer in Donor (Spacer) Acceptor Molecules and Proteins," <i>Progress in Inorganic Chemistry: Bioinorganic Chemistry</i> , 38:259-322 (1990).	
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an	14	Cantor, C.R. et al., "Report on the Sequencing by Hybridization Workshop," <i>Genomics</i> , 13:1378-1383 (1992).	
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an	23	DATABASE WPI, Derwent Publications Ltd., London, GB; AN 88-320199 & JP, A, 53 238 166 (MITSUBISHI DENKI KK), 4 October 1988.	
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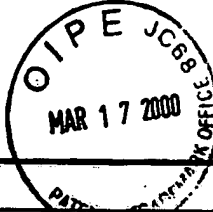
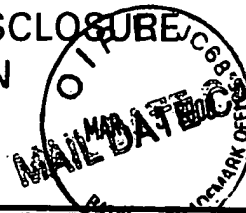
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)			
an	24	Davis, L. M., et al., "Electron Donor Properties of the Antitumour Drug Amsacrine as Studied by Fluorescence Quenching of DNA-Bound Ethidium," <i>Chem.-Biol. Interactions</i> , 62:45-58 (1987).	
an	25	Davis, L. M., et al., "Elements of biosensor construction," <i>Enzyme Microb. Technol.</i> 17:1030-1035 (1995).	
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09/440,371

APPLICANT
BLACKBURN et al.

FILING DATE
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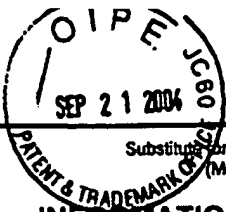
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/440,371		
		Filing Date	November 12, 1999		
		First Named Inventor	BLACKBURN, Gary		
		Art Unit	1753		
		Examiner Name	Noguerola, Alex S.		
Sheet	1	of	4	Attorney Docket Number	A-66566-3/RMS/RMK/SPL (463037-00152)

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Examiner Signature	<i>Alex Noguerola</i>	Date Considered	5/18/05
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			Filing Date	November 12, 1999	
			First Named Inventor	BLACKBURN, Gary	
			Art Unit	1753	
			Examiner Name	Noguerola, Alex S.	
Sheet	2	of	4	Attorney Docket Number	A-66566-3/RMS/RMK/SPL (463037-00152)

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an	C8	MORONEY, R.M., et al., "Ultrasonically Induced Microtransport," <i>Proc. IEEE Micro Electro Mechanical Sys.: An Investigation of Micro Structures, Sensors, Actuators, Machines and Robots</i> , pp. 227-282, Nara, JP (Jan. 30 - Feb. 2, 1991).		
an	C9	NEDERLOF, P.M., et al., "Quantification of fluorescence in situ hybridization signal by image cytometry," <i>Cytometry</i> 13(8):848-852 (1992).		
an	C10	NORTHROP, M., et al., "A Miniature analytical instrument for nucleic acids based on micromachined silicon reaction chambers," <i>Anal. Chem.</i> 70(1):918-922 (Mar. 1998).		
an	C11	ROONEY, J.A., "Shear as a Mechanism for Sonically Induced Biological Effects," <i>J. Acoustics Soc. Am.</i> 52(6):1718-1724 (1972).		
an	C12	SHAW, T., et al., "Active-Pixel-Sensor Digital Camera on a Single Chip," <i>NASA Tech Briefs</i> 420:44-46 (1998).		

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				Application Number	09/440,371
				Filing Date	November 12, 1999
				First Named Inventor	BLACKBURN, Gary
				Art Unit	1753
				Examiner Name	Noguerola, Alex S.
Sheet	4	of	4	Attorney Docket Number	A-68566-3/RMS/RMK/SPL (463037-00152)

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
an	C13	WANG, J., et al., "Peptide Nucleic Acid Probes for Sequence-Specific DNA Biosensors," <i>J. Am. Chem. Soc.</i> 118(33):7667-7670 (Aug. 1996).			
an	C14	WASHIZU, M., et al., "Applications of Electrostatic Stretch-and-Positioning of DNA," <i>IEEE Trans. Ind. Appl.</i> 31(3):447-457 (May - Jun. 1995).			
an	C15	WEBSTER, J.R., et al., "An Inexpensive Plastic Technology for Microfabricated Capillary Electrophoresis Chips," <i>Micro Total Analysis Systems '98 Conference, Proc. μ-TAS '98</i> , pp. 249-252, Banff, British Columbia, CA (Oct. 13 - 16, 1998).			
an	C16	WILDING, P., et al., "PCR in a Silicon Microstructure," <i>Clin. Chem.</i> 40(9):1815-1818 (Sep. 1994).			

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